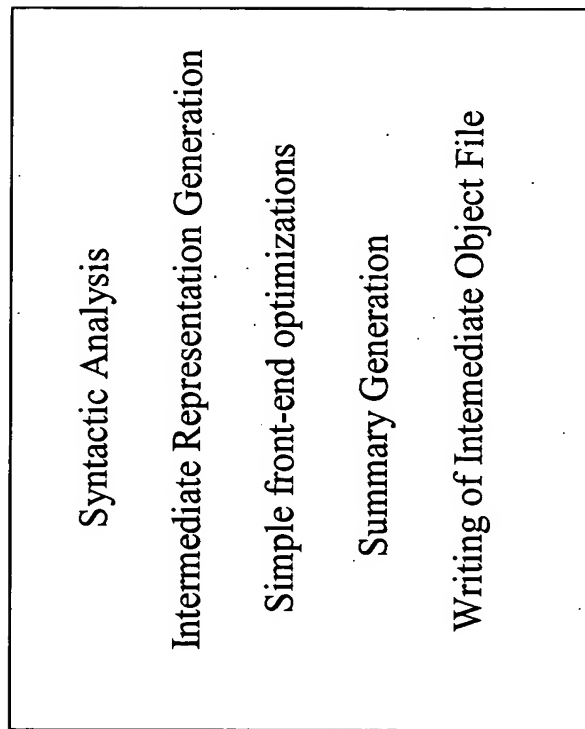


Figure 1A



**Figure 1B**

Summary Retrieval

Cross-module data structures buildup

Inline Analysis  
[ includes continuous summary updates]

Inline Transformation  
[with dynamic generation of inline order]

Figure 1C

```
main0
{
    foo0;
    bar0;
}

foo0
{
    foobar0;
}

bar0
{
    foobar0;
}

foobar0
{
    test10;
    test20;
    test30;
}

test1
{}

test2
{}

test3
{}
```

Figure 2A  
(Background Art)

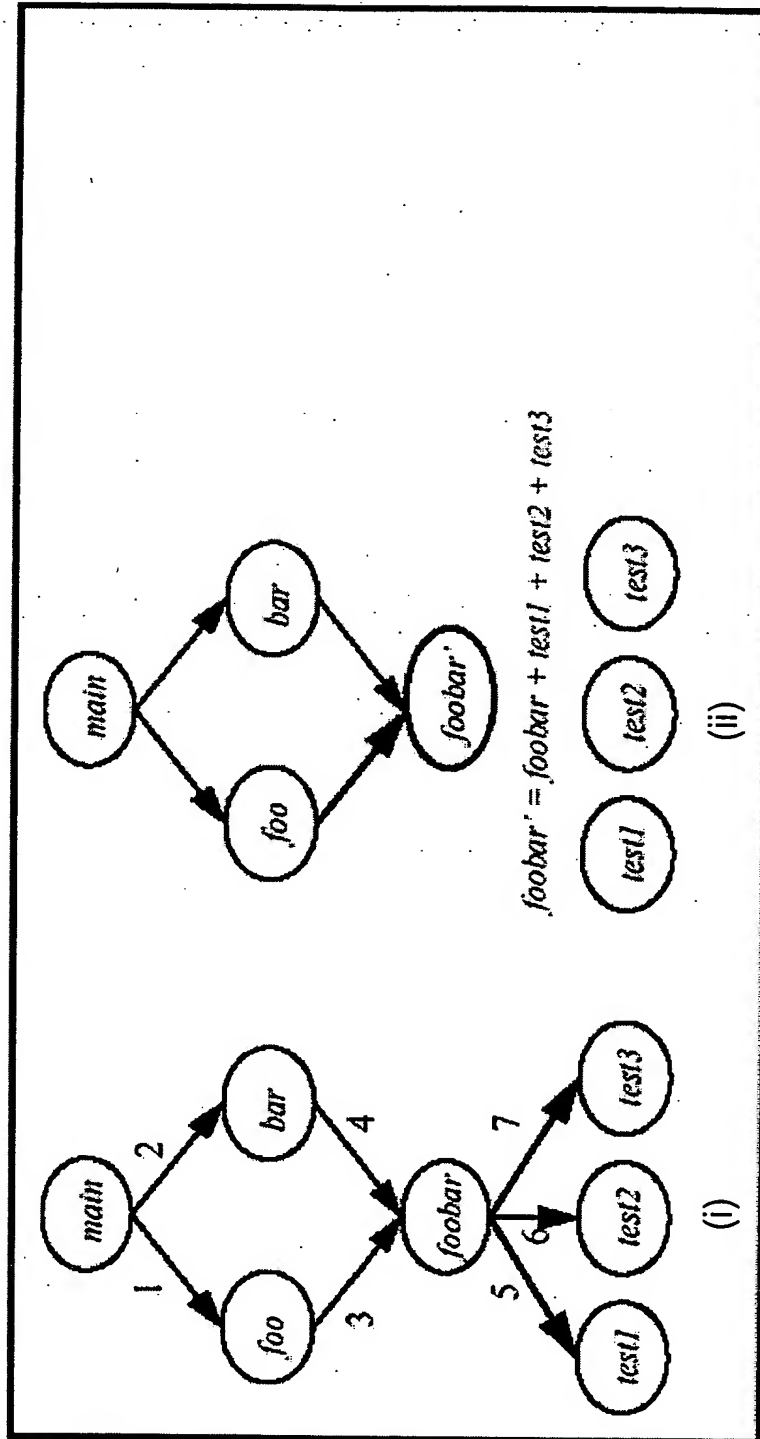


Figure 2B  
(Background Art)

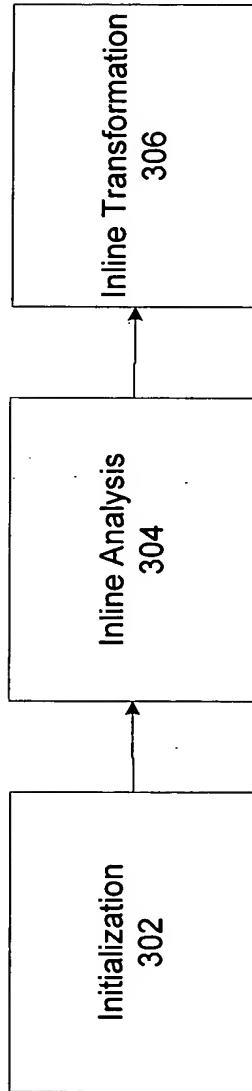


Figure 3

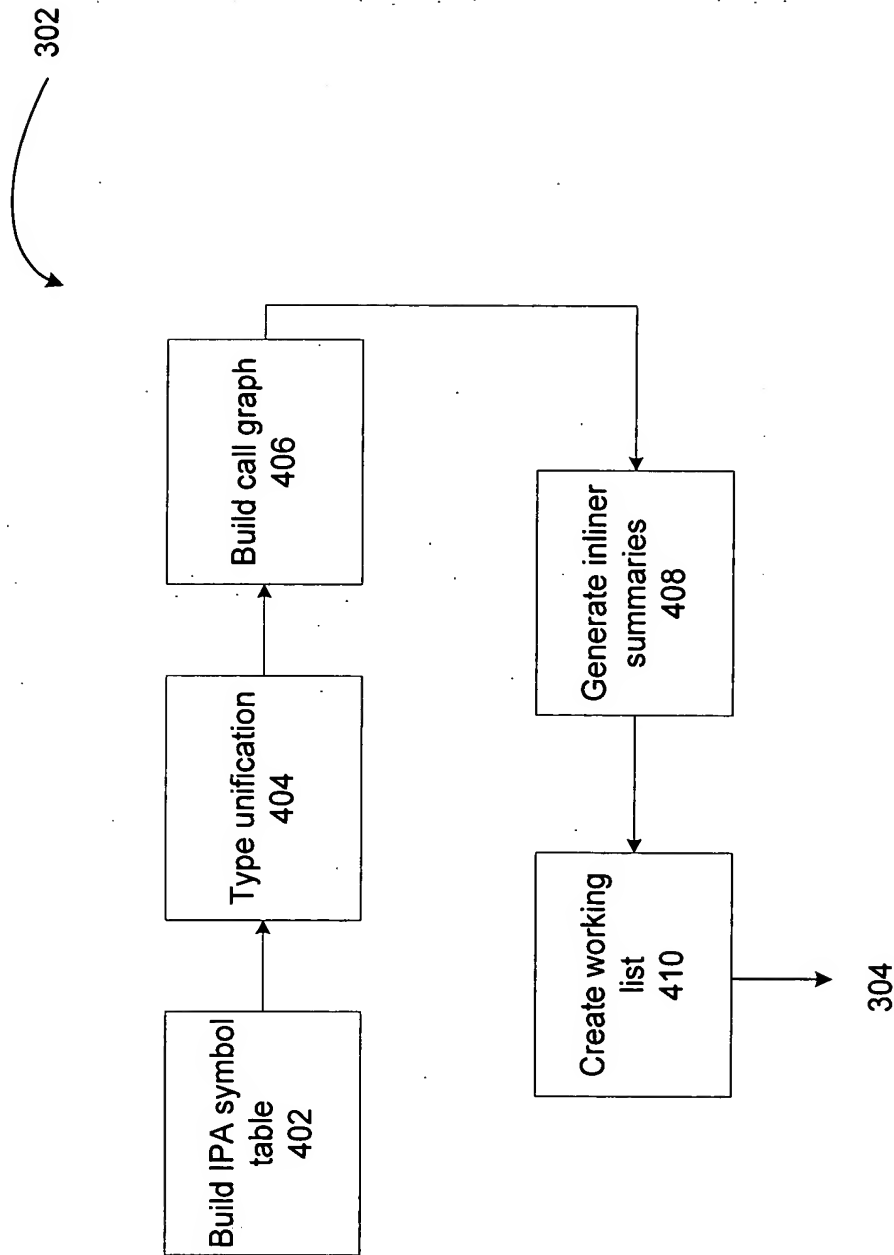


Figure 4

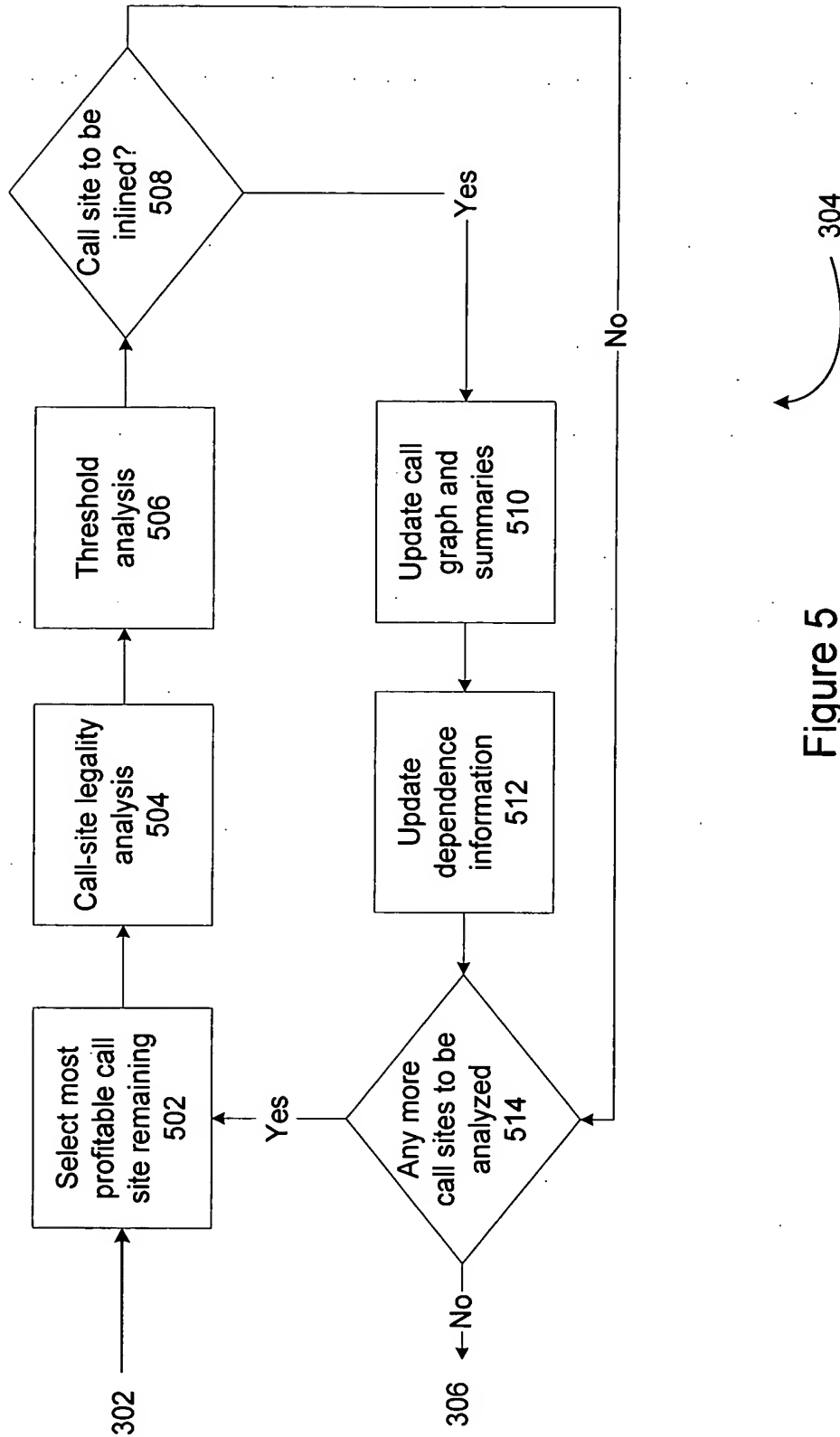


Figure 5

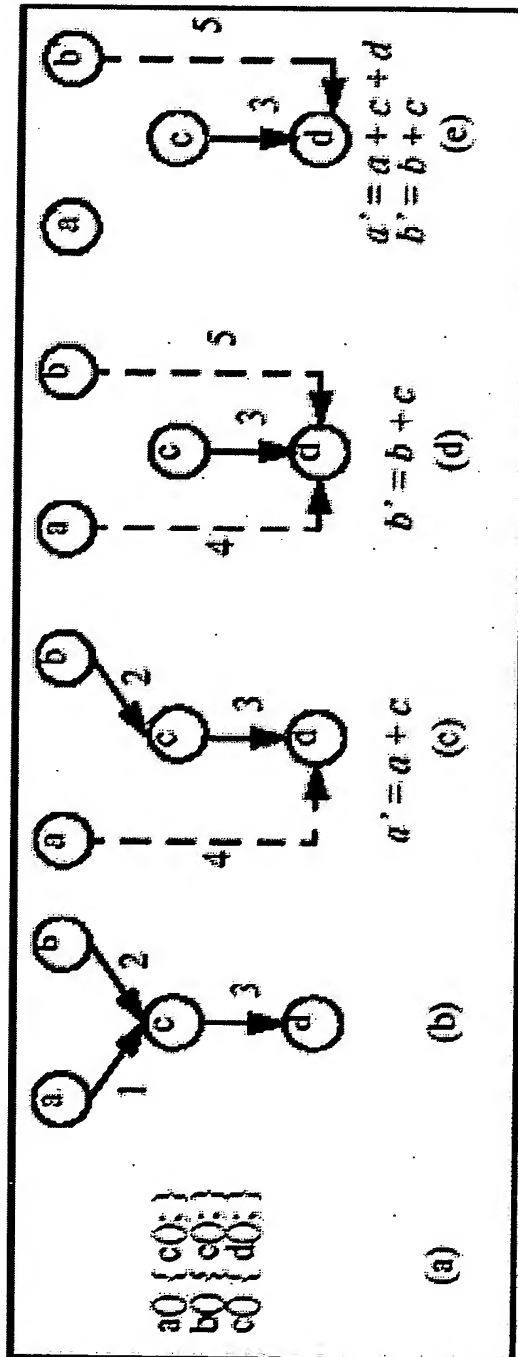


Figure 6

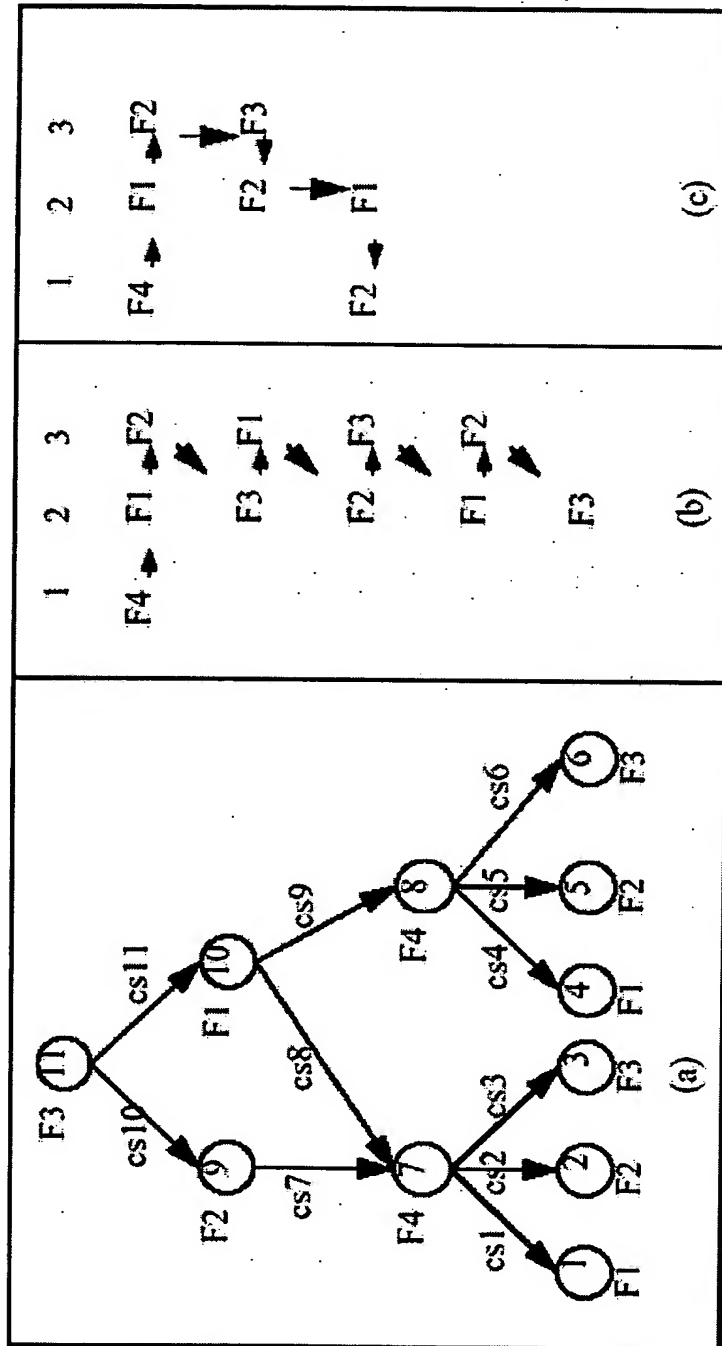


Figure 7

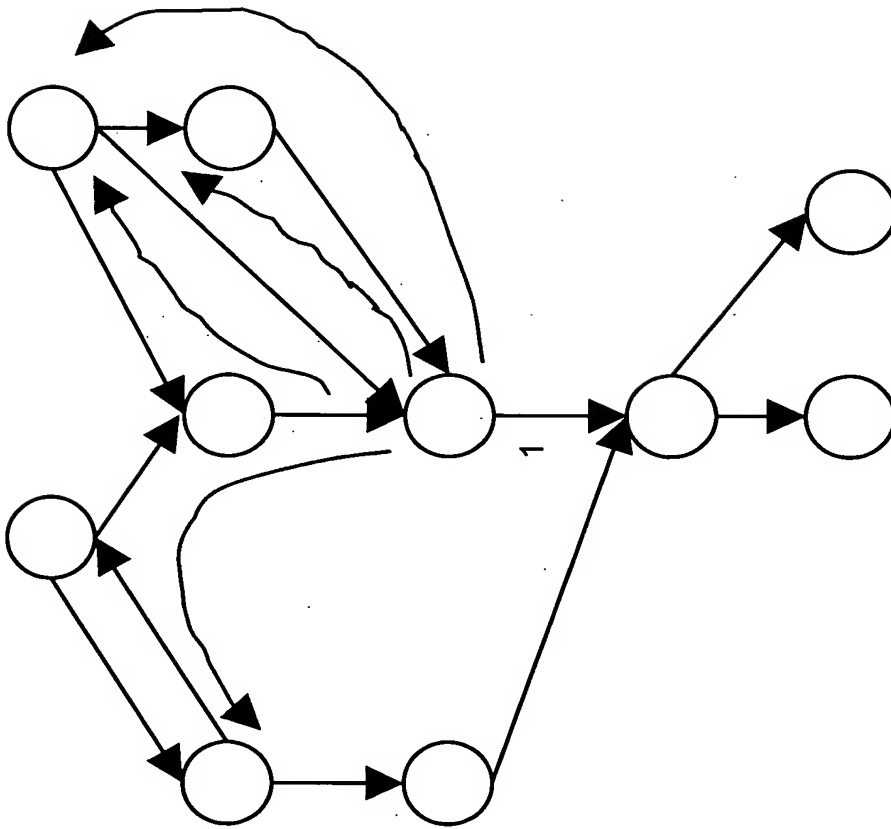


Figure 8

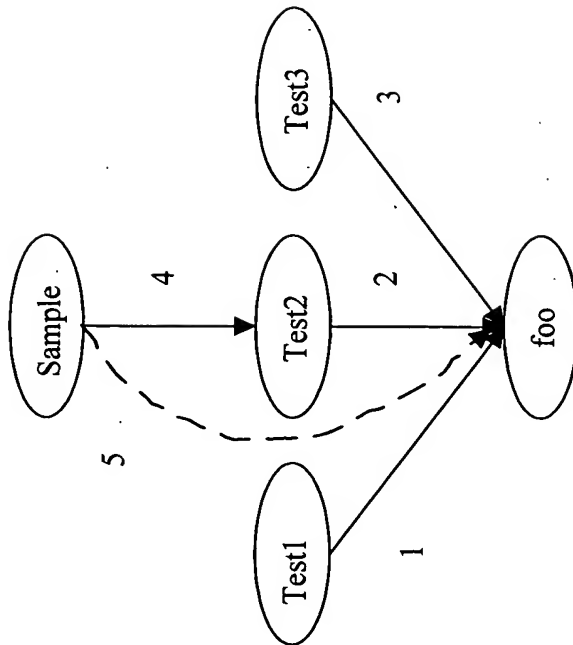


Figure 9

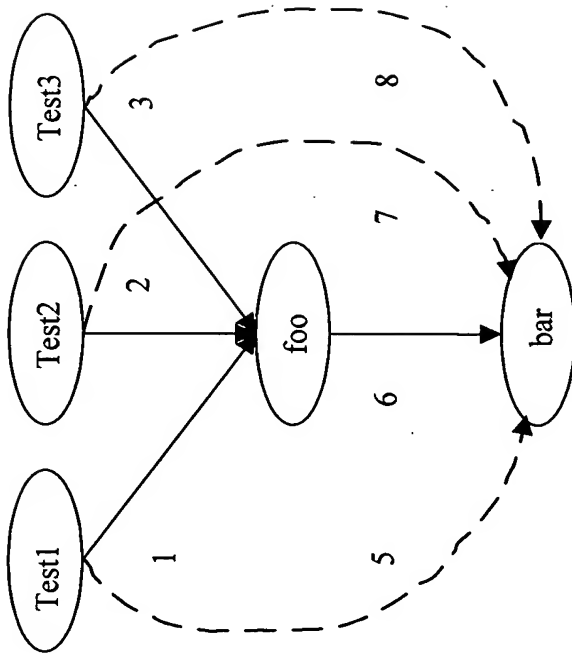


Figure 10

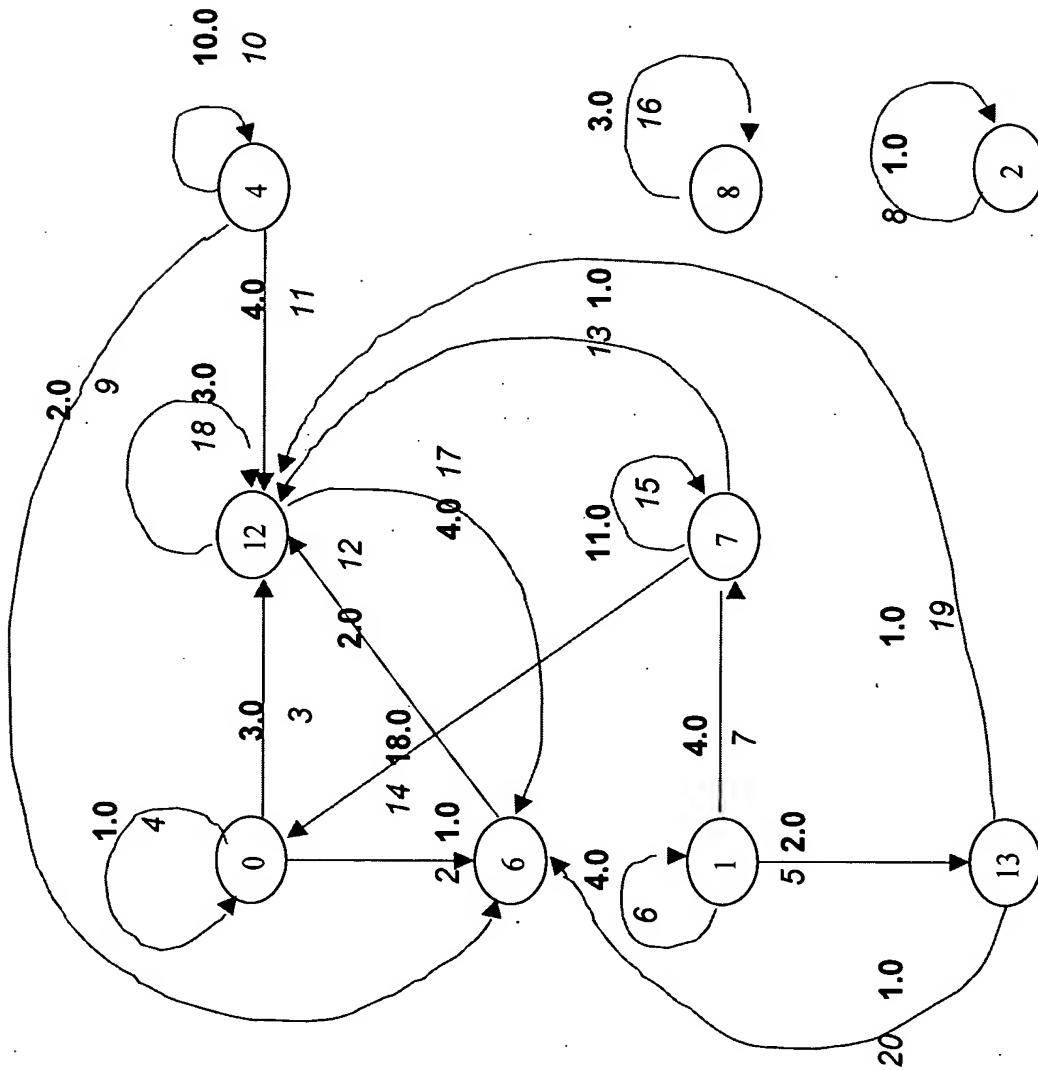


Figure 11

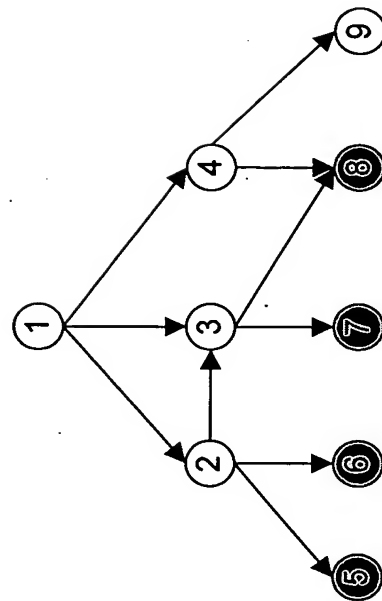


Figure 12